



**NOAA
FISHERIES**

DATA NEEDS FOR ANGLER CHARACTERISTICS

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Angler Characteristic Data

Data gaps were analyzed for 13 fishery groups over 10 years (2000-2009):

- Alaska
- Atlantic Highly Migratory Species (AHMS)
- Northeast
- Northwest
- Southeast (South Atlantic, Gulf of Mexico, Puerto Rico, USVI)
- Southwest
- Pacific Islands (Hawaii, Guam, A. Samoa, CNMI)



Sources of Angler Characteristic Data

- MRIP and Economic Add-On surveys
 - Atlantic Highly Migratory Species Division (AHMS)
 - Northeast (NE)
 - Southeast (SE) - South Atlantic, Gulf of Mexico, Puerto Rico
 - Pacific Islands - Hawaii shore and private boat modes only
- Southwest – California Recreational Fisheries Survey (CRFS), Southwest Fisheries Science Center (SWFSC)
- Northwest – Northwest Fisheries Science Center (NWFSC)
- Alaska – Alaska Fisheries Science Center (AFSC), Alaska Department of Fish and Game (ADFG)

Telephone Survey – Data Elements

Already Collected

Home location

- zipcode, state of residence, county of residence, avidity-2 months only

NEEDS

- Boat ownership status
- Subsistence fisher?
- Target question – do you target; what do you target
- Household income / proxies (occupation, education, wage rate,
- Demographic information including
 - Gender
 - Race
 - Age
 - Number of years fishing experience
 - Who fishes with them / how many in party are family
 - Who taught them how to fish
 - Male head of household?

Intercept Survey

Currently collected:

- zipcode, state of residence, county of residence
- Avidity 2 & 12 months
- Target

NEEDS

- Boat ownership status
- Target question – do you target;
- Commercial license holder? (esp. Hawaii)
- Household income & proxies
- Subsistence Fisher?
- Demographic information including
 - Gender
 - Race
 - Age
 - Industry in which angler is employed
 - Number of years fishing experience

Types of Data

- Home location
 - zipcode, state of residence, county of residence
- Boat ownership status
- Household income
- Demographic information including
 - Gender
 - Race
 - Age
 - Industry in which angler is employed
 - Number of years fishing experience



Average Number of Fisheries Groups with Adequate Data (2000-2009)

Data Category	# of Fisheries Groups (out of 13)
Home zip code and zip code of fishing location	7
Boat ownership status	2
Household income	2
Demographic information including gender, race, and industry in which angler is employed	1

Top Data Priorities

Number of fisheries groups reporting item as a top priority (AK, AHMS, NE, NW, PI, SE, SW):

- Demographic information
 - AHMS, PI, SE, SW
- Home zipcode
 - PI, SW
- Boat ownership status
 - PI, SW
- Household income
 - PI, SW



Obstacles

- Obstacles were scored from 1 to 5 where "1" indicates no obstacle and "5" indicates a major obstacle.
- Lack of an existing survey panel and infrastructure to support creation of such a panel: 4.1 -- This is in the top three for four of the seven fishery groups.
- The time required to conduct angler surveys and analyze results is significant: 3.9 -- This is in the top three for five fishery groups.
- Not enough FTEs: 3.9 -- This is in the top three for five fishery groups.
- Inadequate funding - 3.6 -- This is in the top five for all seven fishery groups, and it is a top ranked obstacle for the AK, HMS and NE fisheries.

Highest Ranked Obstacles By Fisheries Group

- AK: Inadequate Funding/PRA approval process (4)
- NE: Mandatory Reporting/Inadequate Funding (5)
- NW: Not Enough FTEs (5)
- PI: Mandatory Reporting/Lack of Survey Panel/ Not Enough FTEs (5)
- SE: Lack of Survey Panel (5)
- SW: Low response rates/High Cost/Lack of Survey Panel (5)
- AHMS:
 - Low response rates/High Cost/Lack of Survey Panel (3)
 - Analysis Time/Inadequate Funding /Not Enough FTEs/Limited Recognition (3)